

Wabaunsee County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors 6/28/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 19 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Wabaunsee County economy.¹

These 19 sectors have a total direct output of approximately **\$111.2 million** and support **707 jobs** in Wabaunsee County. Running the model for all 19 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Wabaunsee County Economy					
Contribution Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵
Direct Effect	707.2	24.91%	\$31,538,727	22.67%	\$111,162,144
Indirect Effect	65.9	2.32%	\$4,173,894	3.00%	\$9,514,435
Induced Effect	23.9	0.84%	\$1,342,188	0.96%	\$2,838,515
Total Effect	797.0	28.07%	\$37,054,809	26.63%	\$123,515,094

As shown in the above table, agriculture, food, and food processing sectors support **797 jobs**, or **28.07%** of the entire workforce in the county.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 19 agriculture, food, and food processing sectors is approximately **\$37.1 million**, or **26.63% of the GRP**.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

¹ Article on building a contribution analysis in IMPLAN that avoids double counting:

http://www.implan.com/index.php?option=com_content&view=article&id=660%3A660&catid=253%3AKB33&Itemid=70

² Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

³ Value added = labor income + indirect business taxes + other property type income.

⁴ GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

⁵ Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **489 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Wabaunsee County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	488.6	\$45,257,997
All other crop farming	46.0	\$2,898,912
Grain farming	30.9	\$9,111,764
Dairy cattle and milk production	29.4	\$12,249,862
Canned fruits and vegetables manufacturing	28.8	\$13,221,343
Landscape and horticultural services	17.7	\$802,460
Meat processed from carcasses	14.9	\$7,348,766
Oilseed farming	13.4	\$11,347,370
Truck transportation	12.9	\$2,059,586
Greenhouse, nursery, and floriculture production	10.8	\$1,701,684

The beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector directly contributes approximately **\$45.3 million** to the Wabaunsee County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	488.6	\$45,257,997
Canned fruits and vegetables manufacturing	28.8	\$13,221,343
Dairy cattle and milk production	29.4	\$12,249,862
Oilseed farming	13.4	\$11,347,370
Grain farming	30.9	\$9,111,764
Meat processed from carcasses	14.9	\$7,348,766
Animal, except poultry, slaughtering	4.8	\$3,222,235
All other crop farming	46.0	\$2,898,912
Wineries	8.4	\$2,643,286
Truck transportation	12.9	\$2,059,586

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Wabaunsee County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	13.4	\$11,347,370.15
Grain farming	30.9	\$9,111,763.95
Vegetable and melon farming	0.4	\$81,789.82
Fruit farming	2.0	\$187,207.56
Tree nut farming	0.2	\$24,438.79
Greenhouse, nursery, and floriculture production	10.8	\$1,701,683.52
All other crop farming	46.0	\$2,898,911.71
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	488.6	\$45,257,995.61
Dairy cattle and milk production	29.4	\$12,249,861.72
Poultry and egg production	0.1	\$71,200.55
Animal production, except cattle and poultry and eggs	5.3	\$537,051.02
Commercial hunting and trapping	0.8	\$15,883.17
Support activities for agriculture and forestry	4.0	\$369,915.90
Canned fruits and vegetables manufacturing	28.8	\$13,221,343.04
Animal, except poultry, slaughtering	4.8	\$3,222,235.20
Meat processed from carcasses	14.9	\$7,348,765.85
Bread and bakery product, except frozen, manufacturing	0.7	\$68,979.56
Wineries	8.4	\$2,643,286.23
Landscape and horticultural services	17.7	\$802,460.37

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Wabaunsee County, the retail sector was omitted.